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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/811,255	03/26/2004	James You	252011-2120	1643

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EXAMINER

TRAN, KHOI H

ART UNIT PAPER NUMBER

3651

DATE MAILED: 12/02/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/811,255

Applicant(s)

YOU ET AL.

Examiner

Khoi H. Tran

Art Unit

3651

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 March 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-33 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-33 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

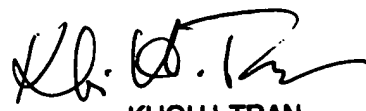
Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.



KHOI H. TRAN

PRIMARY EXAMINER

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 112

1. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

2. Claims 1, 6, 9, 12, 17, 20, 23, 28, and 31 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention.

In regards to claims 1, 12, and 23, the original specification does not contain sufficient information to support which "resource type" applicant is claiming. Hence, the term "resource type" is not enabling. One of ordinary skill in the art would not be able to ascertain which resource Applicant is referring in order to make and/or use the invention.

In regards to claims 6, 9, 17, 20, 28, and 31, the original specification does not contain sufficient information to support "control job space" and "process job space". The terms "control job space" and "process job space" are not enabling. One of ordinary skill in the art would not be able to ascertain which "space" Applicant is referring in order to make and/or use the invention.

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

4. Claims 4 and 8 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. "an automated dispatch system" and "a manufacturing execution system" lack positive identification. It is not distinct whether these elements are in fact part of the claimed combination. Positive identification of the claimed elements must be provided.

Claim Rejections - 35 USC § 103

5. Claims 1-33, as best understood, are rejected under 35 U.S.C. 102(e) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Lin 6,748,282.

Lin '282 discloses system, software, and method for carrier traffic management per claimed invention. Lin '282 traffic system comprises fabrication tool 18, a host computer 32 connected to the fabrication tool 18, and a material transport system 10 (Figure 1). Upon detecting a load port of the fabrication tool is available, the host computer is configured to acquire an obvious available number of resource type for the fabrication tool 18 (Figure 2, steps 92/94). Identification of a carrier and the required number of resource type corresponding to the carrier is then acquired (Figure 3, step 102, and Figure 4). If the available number of resource type equals to the required number of resource type, transfer command is issued (Figure 3, step 146).

In regards to claims 2, 5, 7, 10, 13, 16, 18, 21, 24, 27, 29, and 32, Lin '282 system sends advisory to an operator or an automated dispatch system if the available resource type does not match the required number of resource type (Figure 4). This

would obviously include the scenario when the available number of resource type is less than the required number of resource type.

In regards to claims 3, 14, and 25, In order to follow industry's standards, it is obvious that Lin '282 fabrication tool provides a plurality of services compliant to a 300mm semiconductor equipment and material international (SEMI) standard.

In regards to claims 4, 8, 11, 15, 19, 22, 26, 30, and 33, per Lin '282 system, the carrier identity is acquired from an operator or an automated dispatch system, and the required number of the resource type corresponding to the carrier is acquired from a manufacturing execution system (Figures 2-4).

In regards to claims 6, 9, 17, 20, 28, and 31, it is obvious that Lin '282 resource type comprises control job space and a process job place (Figures 2-4).

Conclusion

6. Additional references made of record and not relied upon are considered to be of interest to applicant's disclosure: see attached USPTO Form 892.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Khoi H. Tran whose telephone number is (571) 272-6919. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gene Crawford can be reached on (571) 272-6911. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 3651

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Khoi H Tran
Primary Examiner
Art Unit 3651

KHT
11/28/2005